Claims

1. An arm support for a vehicle door, comprising:

a frame, the frame comprising a platform, a lip, and a support panel;

the platform having an outer platform edge, an inner platform edge, an upper platform surface, and a lower platform surface;

the lip having an upper lip edge and a lower lip portion, the upper lip edge being contiguous with at least a portion of the outer platform edge and operable to transmit a mechanical load to the outer platform edge, the lower lip portion operable to be inserted between an inner surface of a vehicle door window and an inner channel edge of a vehicle door window channel; and

the support panel having an upper panel edge, an inner panel surface, and an outer panel surface, the upper panel edge being contiguous with at least a portion of the inner platform edge and operable to transmit a mechanical load to the inner platform edge, and at least a portion of the inner panel surface operable to exert pressure against an interior panel of the vehicle door.

2. An arm support as claimed in claim 1, wherein a cushion is disposed upon at least a portion of the upper platform surface.

3. An arm support as claimed in claim 2, wherein the cushion covers the lip, the upper platform surface, and the outer panel surface, and further covers at least a portion of the lower platform surface and at least a portion of the inner panel surface.

4. An arm support as claimed in claim 3, wherein the cushion is bonded to at least a portion of the frame.

5. An arm support as claimed in claim 3, further comprising an insert, the insert shaped to conform to the lower platform surface and the inner panel surface, the insert attached to the frame so as to secure at least an edge of the cushion.

6. An arm support as claimed in claim 1, further comprising a stand-off block, the stand-off block attached to the inner panel surface to rest against the interior panel of a vehicle door, thereby positioning the inner panel surface away from the interior panel of the vehicle door and changing the horizontal orientation of the platform.

7. An arm support as claimed in claim 6, wherein the stand-off block has several layers that may be individually separated and removed to adjust the angle of the platform.

8. An arm support as claimed in claim 6, wherein the stand-off block is optimally between 70 mm and 83 mm long, 19 mm to 32 mm wide, and 13 mm to 19 mm thick.

9. An arm support as claimed in claim 5, further comprising a stand-off block, the stand-off block attached to the insert to rest against the interior panel of a vehicle door, thereby positioning the inner panel surface away from the interior panel of the vehicle door and changing the horizontal orientation of the platform.

10. An arm support as claimed in claim 9, wherein the stand-off block has several layers that may be individually separated and removed to change the horizontal orientation of the platform.

11 An arm support as claimed in claim 9, wherein the stand-off block is optimally between 70 mm and 83 mm long, 19 mm to 32 mm wide, and 13 mm to 19 mm thick.

12. An arm support as claimed in claim 1, wherein the lip is between 240 mm and 260 mm long.

13. An arm support as claimed in claim 1, wherein the lip is 22 mm wide and 3.7 mm thick.

14. An arm support as claimed in claim 1, wherein the support panel forms an angle between 95 and 105 degrees with the platform.

15. An arm support for a vehicle door, comprising:

a frame, the frame comprising a platform, a lip, and a support panel; the platform, the lip, and the support panel formed as an integral unit;

the platform having an outer platform edge, an inner platform edge, an upper platform surface, and a lower platform surface;

the lip having an upper lip edge and a lower lip portion, the upper lip edge being contiguous with at least a portion of the outer platform edge, the lower lip portion operable to be inserted between an inner surface of a vehicle door window and an inner channel edge of a vehicle door window channel;

the support panel having an upper panel edge, an inner panel surface, and an outer panel surface, the upper panel edge being contiguous with at least a portion of the inner platform edge, and at least a portion of the inner panel surface operable to exert pressure against an interior panel of the vehicle door;

a cushioned cover, the cushioned cover bonded to the lip, the upper platform surface, and the outer panel surface, and to at least a portion of the lower platform surface and at least a portion of the inner panel surface; and

an insert, the insert shaped to conform to the lower platform surface and the inner panel surface, the insert attached to the frame so as to secure at least an edge of the cushioned cover.

16. An arm support for a vehicle door, comprising:

arm support means;

attachment means for insertion between the inner surface of a vehicle door window and the inner edge of a vehicle door window channel, operable with the arm support means; and

means for holding the arm support means at a desired angle.